BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Detailed Estimate for the work of Construction of Culverts in ward No- 01 of yelahanka Sub division.

Estimate Cost Rs. 850000.00

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2015-16								
	for culvert	cum	6	5.60	1.80	1.25	75.60		
	Basic Rate	178.00					75.60	192.24	14533.00
	Area Weightage @ 8%	14.24							
	Total	192.24							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2015-16)								
		cum	Vide Item No. 1				75.60	85.60	6471.00
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.20 X 4	11.26							
		79.26							
	Area Weightage @ 8%	6.34							
	Total	85.60							

Executive Engineer

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix **1:3:6 withOPC** cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.2/ PWD SR 2015-16	Cum							
	for Culvert		6	5.60	1.75	0.20	11.76		
	for ramp	6x2	12	5.60	0.9	0.35	21.50		
							33.26	5236.92	174166.00
	Basic Rate	4849.00							
	Area Weightage @ 8%	387.92							
	Total	**5236.92**							
4	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16	Cum							
	for Culvert		6	5.60	1.60	0.23	12.36		
	side walls	6x2	12	5.60	0.23	1.00	15.46		
	for deck slab		6	5.60	1.60	0.23	12.36		
		6x2	12	5.60	1.25	0.10	8.40		
							48.69	6198.12	301786.00
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							

Executive Engineer

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2014-15 @ 500	Quintal	0.85				41.38	6980.58	
	for Culvert 90 kg/cum		0.900	48.69			43.82	6463.50	283231 = 00
		6463.5		48.69			43.82	6528.70	286073.00
	Basic Rate 6528.70						41.38		288856 = 00
6	KSRB 4-6.4 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2015-16	sqm	24		1.0				
	for Culvert	9x4	36	5.60	0.75		151.20		
	deck bottom		6	5.60	0.80		30.24		
					1.60		181.44	306.72	55651.00
	Basic Rate	284.00							
	Area Weightage @ 8%	22.72							8415
	Total	306.72							8354.00
7	1% of Quality control charges								8500.00
8	Miscellaneous charges								2807.00
								Total	850000.00

(Rupees Eight Lakhs Fifty thousand Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2015-16
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Administrative Sanction for Rs. 8.50 Lakhs Eight lakhs Fifty thousand only is accorded under head P.1771

Executive Engineer
Yelahanka Division
Bangalore-64

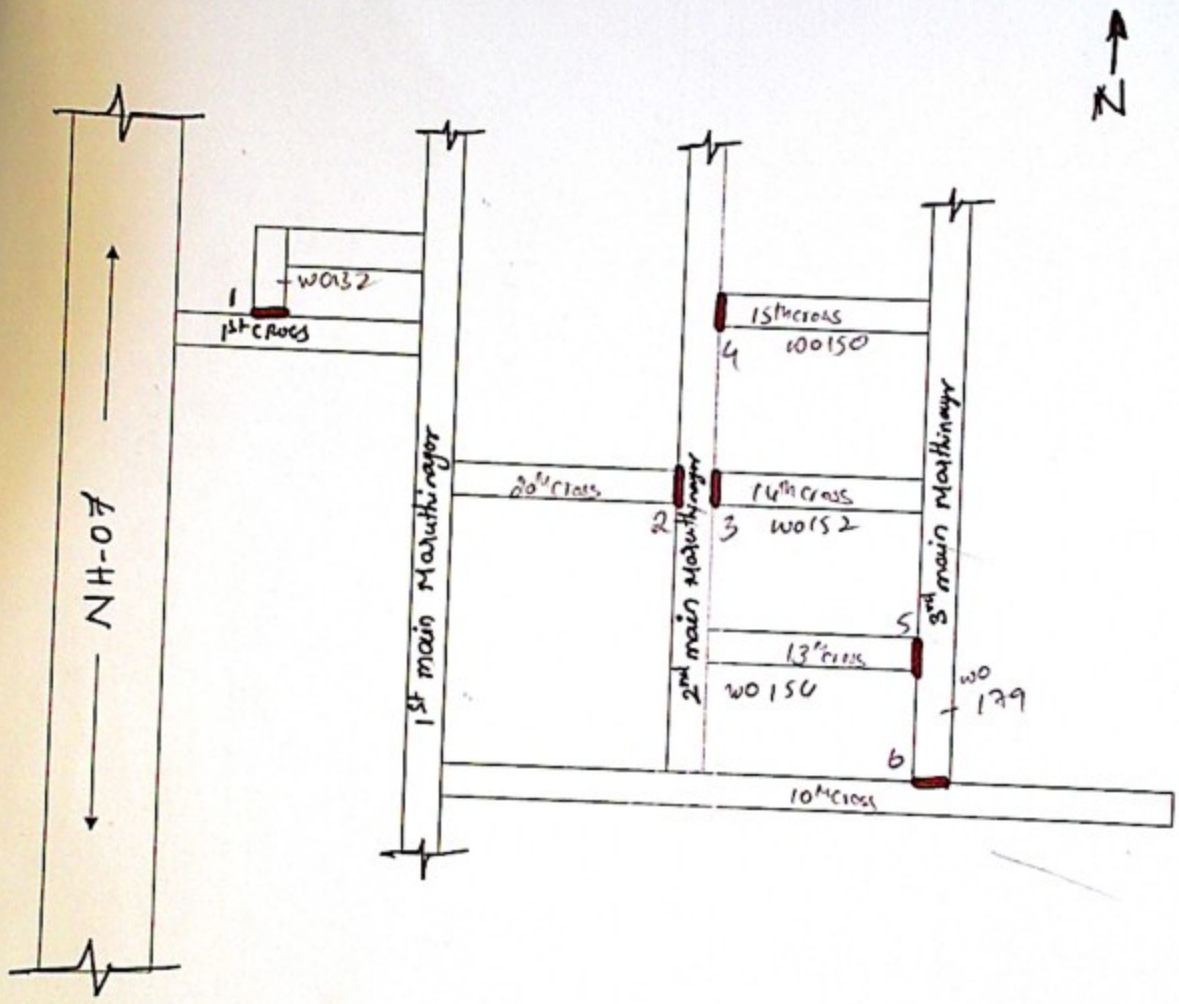
Registered as CE No. ..... Subject to conditions contained in enclosed memo No. CE/AA/34/2015-16 Dt. 2-1-16

TECHNICALLY SANCTIONED FOR Rs. 8.50 L Rupees Eight lakh fifty thousand only Under P.1771 - 15-16

Registered as CE ( ) No. 99
Subject to conditions contained in enclosed memo EE ( ) No. 191
Dt. Estimate A/ Sanctioned
EE/TS/34/15-16 No.
Dated 2-1-2016 Rs. 8.50 lakh

Executive Engineer

Name of work: Construction of culverts in ward No- 1 of yelahanka sub division



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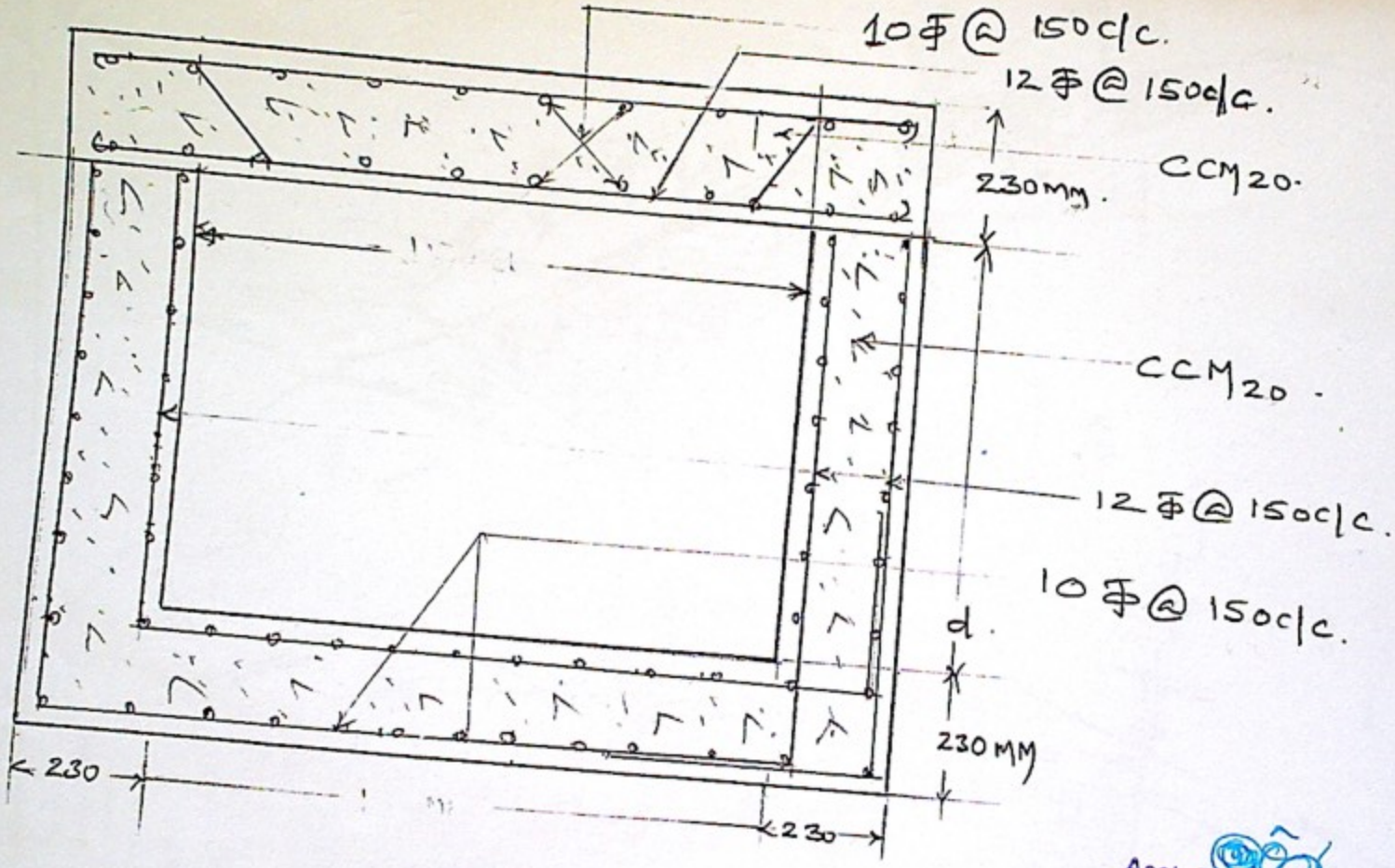

CROSS SECTION OF R.C.C. CULVERT

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore